

ABSTRACT OF THE DISCLOSURE

A device and method for steering a laser beam to a focal point in target tissue requires generating a laser beam. Diversions of the laser beam from a central beam path are minimized by a sequential arrangement of optical steering components. In order, the beam is first directed to the center of a z-scanning apparatus which will move the focal point in the medium in a z-direction. The beam is then passed to the center of a first galvanometric mirror which introduces focal point movements in the x-direction. A second galvanometric mirror then compensates for the x-direction movement by redirecting the beam to the center of a third galvanometric mirror where focal point movements in the y-direction are introduced.